

# 2019 Current Fiscal Year Report: Federal Insecticide, Fungicide, and Rodenticide Act Scientific Advisory Panel

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## 1. Department or Agency

Environmental Protection Agency

## 2. Fiscal Year

2019

## 3. Committee or Subcommittee

Federal Insecticide, Fungicide, and Rodenticide Act Scientific Advisory Panel

## 3b. GSA

## Committee No.

119

## 4. Is this New During Fiscal Year?

No

## 5. Current Charter

10/17/2018

## 6. Expected Renewal Date

10/17/2020

## 7. Expected Term Date

## 8a. Was Terminated During Fiscal Year?

No

## 8b. Specific Termination Authority

P.L. 100-532

## 8c. Actual Term Date

## 9. Agency Recommendation for Next Fiscal Year

Continue

## 10a. Legislation Req to Terminate?

Not Applicable

## 10b. Legislation Pending?

Not Applicable

## 11. Establishment Authority Statutory (Congress Created)

## 12. Specific Establishment Authority

P.L. 100-532 and P.L 104-170

## 13. Effective Date

11/28/1975

## 14. Committee Type

Continuing

## 14c. Presidential?

No

## 15. Description of Committee Scientific Technical Program Advisory Board

## 16a. Total Number of Reports

No Reports for this Fiscal Year

## 17a. Open Meetings and Dates 0 17b. Closed Meetings and Dates 0 17c. Partially Closed Meetings and Dates 0 Other Activities 0 17d. Total Meetings and Dates 0

No Meetings

## Current FY Next FY

## 18a(1). Personnel Pmts to Non-Federal Members

\$0.00 \$0.00

## 18a(2). Personnel Pmts to Federal Members

\$0.00 \$0.00

## 18a(3). Personnel Pmts to Federal Staff

\$0.00 \$0.00

## 18a(4). Personnel Pmts to Non-Member Consultants

\$0.00 \$0.00

## 18b(1). Travel and Per Diem to Non-Federal Members

\$0.00 \$0.00

## 18b(2). Travel and Per Diem to Federal Members

\$0.00 \$0.00

## 18b(3). Travel and Per Diem to Federal Staff

\$0.00 \$0.00

## 18b(4). Travel and Per Diem to Non-member Consultants

\$0.00 \$0.00

<b>18c. Other(rents,user charges, graphics, printing, mail, etc.)</b>	\$0.00	\$0.00
<b>18d. Total</b>	\$0.00	\$0.00
<b>19. Federal Staff Support Years (FTE)</b>	0.00	0.00

**20a. How does the Committee accomplish its purpose?**

The FIFRA Scientific Advisory Panel held 3 review sessions in FY 2018 and published 3 reports providing Panel recommendations and advice to the Agency on a range of scientific issues. This year, the Panel reviewed scientific issues being evaluated by the Environmental Protection Agency (EPA) regarding EDSP High-Throughput Screens, Pesticide Efficacy Testing, and Resistance to Bt Plant Incorporated Protectants. To address these topics, the expertise of the seven members of the permanent Panel was augmented by the use of ad hoc consultants (scientists) covering a variety of scientific disciplines, as provided in Section 104 of the Food Quality Protection Act of 1996.

**20b. How does the Committee balance its membership?**

Scientific Advisory Panel members are selected on the basis of their qualifications to assess the effects of the impact of pesticides on health and the environment. FIFRA requires multidisciplinary representation, with membership comprised of the disciplines of toxicology, pathology, environmental biology, and related sciences (e.g., biotechnology, epidemiology, and biostatistics). The disciplinary expertise needed for FIFRA SAP reviews depends on the scientific issues brought before the panel. Therefore, the expertise of the seven members of the permanent panel is augmented throughout the year by the use of numerous ad hoc consultants.

**20c. How frequent and relevant are the Committee Meetings?**

The Panel met three times in Fiscal Year 2018. The Agency presented three topics to the Panel and the Panel provided recommendations for all issues presented. The Panel typically conducts approximately five reviews each year. Review meetings normally range from two to four days depending upon the number of review topics and the time needed for discussion. With the passage of the Food Quality Protection Act in August, 1996, a large number of risk assessment methodology issues continue to be presented to the Panel. In FY 2019, it is anticipated that the Panel reviews will be consistent with what is typically expected (approximately five reviews).

**20d. Why can't the advice or information this committee provides be obtained elsewhere?**

Section 25(d) of FIFRA requires that the Administrator use the expertise available on the FIFRA Scientific Advisory Panel to obtain comments on notices of intent to cancel pesticide registrations or change their classification (FIFRA Section 6(b)), emergency

orders suspending registrations (FIFRA Section 6(c)), or regulations to be issued under Section 25(a) of FIFRA. FIFRA also requires that the Administrator seek comments, evaluations, and recommendations from the FIFRA SAP for operating guidelines to improve the quality of scientific analyses made by EPA personnel. To avoid duplication, the Scientific Advisory Panel maintains an ongoing liaison with other EPA scientific advisory committees such as the EPA Science Advisory Board (SAB).

## 20e. Why is it necessary to close and/or partially closed committee meetings?

No meetings were closed to the public.

## 21. Remarks

All members are Tier 1 (parent committee members). There are no Tier 2 (subcommittee) members serving.

## Designated Federal Officer

Steven M. Knott Designated Federal Officer

Committee Members	Start	End	Occupation	Member Designation
Chapin, Robert	06/13/2018	06/13/2021	Tier 1, Former Senior Research Fellow (Retired), Pfizer Global Research and Development, Groton, CT	Special Government Employee (SGE) Member
Corcoran, George	06/13/2018	11/26/2018	Tier 1, Chairman and Professor, Department of Pharmaceutical Sciences, Wayne State University, Detroit, MI	Special Government Employee (SGE) Member
Klaper, Rebecca	10/07/2016	10/07/2019	Tier 1, Professor, School of Freshwater Sciences, University of Wisconsin-Milwaukee, Milwaukee, WI	Special Government Employee (SGE) Member
Shaw, Joseph	02/16/2016	02/16/2019	Tier 1, Associate Professor, Indiana University, School of Public and Environmental Affairs, Bloomington, IN	Special Government Employee (SGE) Member
Sobrian, Sonya	02/16/2016	02/16/2019	Tier 1, Associate Professor, Howard University, College of Medicine, Department of Pharmacology, Washington, DC	Special Government Employee (SGE) Member
Weisel, Clifford	06/13/2018	06/13/2021	Tier 1, Professor, Rutgers University, Piscataway, NJ	Special Government Employee (SGE) Member
Yang, Raymond	06/13/2018	06/13/2021	Tier 1, Professor (Emeritus), College of Veterinary Medicine and Biomedical Sciences, Colorado State University, Fort Collins, CO	Special Government Employee (SGE) Member

## Number of Committee Members Listed: 7

## Narrative Description

The Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) Scientific Advisory Panel (SAP) supports Goal 1, Objective 1.4 of the Agency's FY 2018-2022 Strategic Plan -- Ensure Safety of Chemicals in the Marketplace. The FIFRA SAP is a statutory advisory committee created on November 28, 1975 pursuant to section 25(d) of FIFRA (as

amended by Public Laws 94-140, 95-396, 96-539, 98-201, and 100-532). Under FIFRA (section 25(d)), the EPA is required to submit certain regulatory actions to the SAP for comment as to the impact on human health and the environment (e.g., regulatory actions under sections 6(b), 6(c), and 25(a) of FIFRA). In addition, the FIFRA SAP provides advice, information, and recommendations on methods to ensure that pesticides do not cause “unreasonable adverse effects on the environment” (as defined in Section 2 (bb) of FIFRA); EPA analyses, reports and guidelines to improve the effectiveness and quality of scientific analyses made by the Agency; and other major scientific studies and issues. In general, the FIFRA SAP serves as a primary means for scientific peer review supporting the EPA Office of Chemical Safety and Pollution Prevention (OCSPP). For example, implementation of the Food Quality Protection Act of 1996 (Public Law 104-170) required the development of a number of risk assessment methodologies to support the Agency’s goals for clean and safe water and safe food. The FIFRA SAP conducted a number of reviews over a relatively short time frame to support the Agency’s efforts in this area. Overall, the FIFRA SAP provides scientific peer review which is a critical component of EPA’s use of sound science to protect human health and the environment. The FIFRA SAP held 3 review sessions in FY 2018 and published 3 reports providing Panel recommendations and advice to the Agency on a range of scientific issues. This year, the Panel reviewed scientific issues being evaluated by the Environmental Protection Agency (EPA) regarding EDSP High-Throughput Screens, Pesticide Efficacy Testing, and Resistance to Bt Plant Incorporated Protectants. In addition, the Panel provided reports on its recommendations regarding these scientific issues. The seven-member Panel was augmented by the use of ad hoc consultants (scientists) covering a variety of scientific disciplines, as provided in Section 104 of the Food Quality Protection Act of 1996.

**What are the most significant program outcomes associated with this committee?**

Checked if Applies

Improvements to health or safety	<input checked="" type="checkbox"/>
Trust in government	<input checked="" type="checkbox"/>
Major policy changes	<input type="checkbox"/>
Advance in scientific research	<input checked="" type="checkbox"/>
Effective grant making	<input type="checkbox"/>
Improved service delivery	<input checked="" type="checkbox"/>
Increased customer satisfaction	<input checked="" type="checkbox"/>
Implementation of laws or regulatory requirements	<input checked="" type="checkbox"/>
Other	<input type="checkbox"/>

**Outcome Comments**

NA

**What are the cost savings associated with this committee?**

Checked if Applies

None	<input type="checkbox"/>
Unable to Determine	<input checked="" type="checkbox"/>
Under \$100,000	<input type="checkbox"/>
\$100,000 - \$500,000	<input type="checkbox"/>
\$500,001 - \$1,000,000	<input type="checkbox"/>
\$1,000,001 - \$5,000,000	<input type="checkbox"/>
\$5,000,001 - \$10,000,000	<input type="checkbox"/>
Over \$10,000,000	<input type="checkbox"/>
Cost Savings Other	<input type="checkbox"/>

**Cost Savings Comments**

The FIFRA SAP provides many benefits (e.g., cost savings), with respect to saving time and resources, that are difficult to quantify in terms of dollars. The availability of the FIFRA SAP as an organization providing scientific peer review for OCSP allows the Agency to seek early input on its analyses, reports and guidelines. In addition, the advice and recommendations of the FIFRA SAP may be sought multiple times throughout the development of a particular Agency product. This helps to avoid the potential time delays and use of additional resources that are often necessary when such input is received later in the development of a product. This benefit was evident in the reviews the SAP provided to support the Agency's rapid development of methodologies required for implementation of the Food Quality Protection Act of 1996 (Public Law 104-170). As a federal advisory committee, FIFRA SAP reviews are open to the public, providing the public with access to the documents under review and the opportunity to make comments for the Panel's consideration. The FIFRA SAP public process allows the Agency to obtain broader input concurrent with the Panel's peer review and results in savings of time and resources.

**What is the approximate Number of recommendations produced by this committee for the life of the committee?**

765

**Number of Recommendations Comments**

Number of recommendations represents the approximate number of scientific issues addressed in the reports issued by the FIFRA SAP since December of 1976. In FY 2018, the FIFRA SAP published 3 reports providing approximately 60 recommendations to the Agency on a range of scientific issues.

**What is the approximate Percentage of these recommendations that have been or will be Fully implemented by the agency?**

0%

**% of Recommendations Fully Implemented Comments**

During the course of the fiscal year, the FIFRA SAP has provided the Agency recommendations on pesticide and pesticide-related issues as to the impact on health and the environment of regulatory actions. The nature of the FIFRA SAP's advice, and the Agency's implementation of that advice over the years, do not facilitate estimating the percentage of recommendations that are fully (or partially) implemented by the Agency over the life of the committee thus far. There are examples where the Agency has utilized specific Panel recommendations. Since passage of the Food Quality Protection Act of 1996 (Public Law 104-170), the FIFRA SAP has provided and the agency has implemented numerous recommendations regarding the development of risk assessment and exposure methodologies. In fiscal year 2018, EPA implemented new procedures for tracking the FIFRA SAP's formally-conveyed recommendations and the EPA's responses to those recommendations. As part of this process, EPA will complete a retrospective analysis of recommendations that have been made and fully (or partially) implemented since the filing of the FIFRA SAP's renewal charter in 2014. This retrospective analysis will establish the baseline for future reports.

**What is the approximate Percentage of these recommendations that have been or will be Partially implemented by the agency?**

0%

**% of Recommendations Partially Implemented Comments**

As noted in response to the previous question, a specific percentage of Panel recommendations that have been or will be partially (or fully) implemented by the Agency is not available. In 2018, EPA implemented new procedures for tracking the FIFRA SAP's formally-conveyed recommendations and the EPA's responses to those recommendations.

**Does the agency provide the committee with feedback regarding actions taken to implement recommendations or advice offered?**

Yes ☒ No ☐ Not Applicable ☐

**Agency Feedback Comments**

Each year, the FIFRA SAP reviews and considers numerous scientific issues related to ongoing analyses and methods development within the Agency. More specifically, the

recommendations provided by the Panel are utilized to evaluate methodologies, assess the impact of pesticides on health and the environment, improve the effectiveness and quality of EPA's scientific analyses, guidelines and peer review major scientific studies and issues. Some topics are presented to the SAP at various stages of development, allowing the Panel to explore the Agency's progress and to understand how previous recommendations have been implemented. For example, during the November 2017 FIFRA SAP on Continuing Development of Alternative High-Throughput Screens to Determine Endocrine Disruption, Focusing on Androgen Receptor, Steroidogenesis, and Thyroid Pathways, the Agency summarized and addressed prior SAP comments.

**What other actions has the agency taken as a result of the committee's advice or recommendation?**

Checked if Applies

Reorganized Priorities	<input checked="" type="checkbox"/>
Reallocated resources	<input checked="" type="checkbox"/>
Issued new regulation	<input checked="" type="checkbox"/>
Proposed legislation	<input type="checkbox"/>
Approved grants or other payments	<input type="checkbox"/>
Other	<input type="checkbox"/>

**Action Comments**

NA

**Is the Committee engaged in the review of applications for grants?**

No

**Grant Review Comments**

NA

**How is access provided to the information for the Committee's documentation?**

Checked if Applies

Contact DFO	<input checked="" type="checkbox"/>
Online Agency Web Site	<input checked="" type="checkbox"/>
Online Committee Web Site	<input checked="" type="checkbox"/>
Online GSA FACA Web Site	<input checked="" type="checkbox"/>
Publications	<input checked="" type="checkbox"/>
Other	<input checked="" type="checkbox"/>

**Access Comments**

EPA Office of Pesticide Programs Public Docket and the Federal eRulemaking Portal:

<http://www.regulations.gov>